QUARKUS

Testing APIS Postman

JEE Microservices
@ CGS IT – 2023

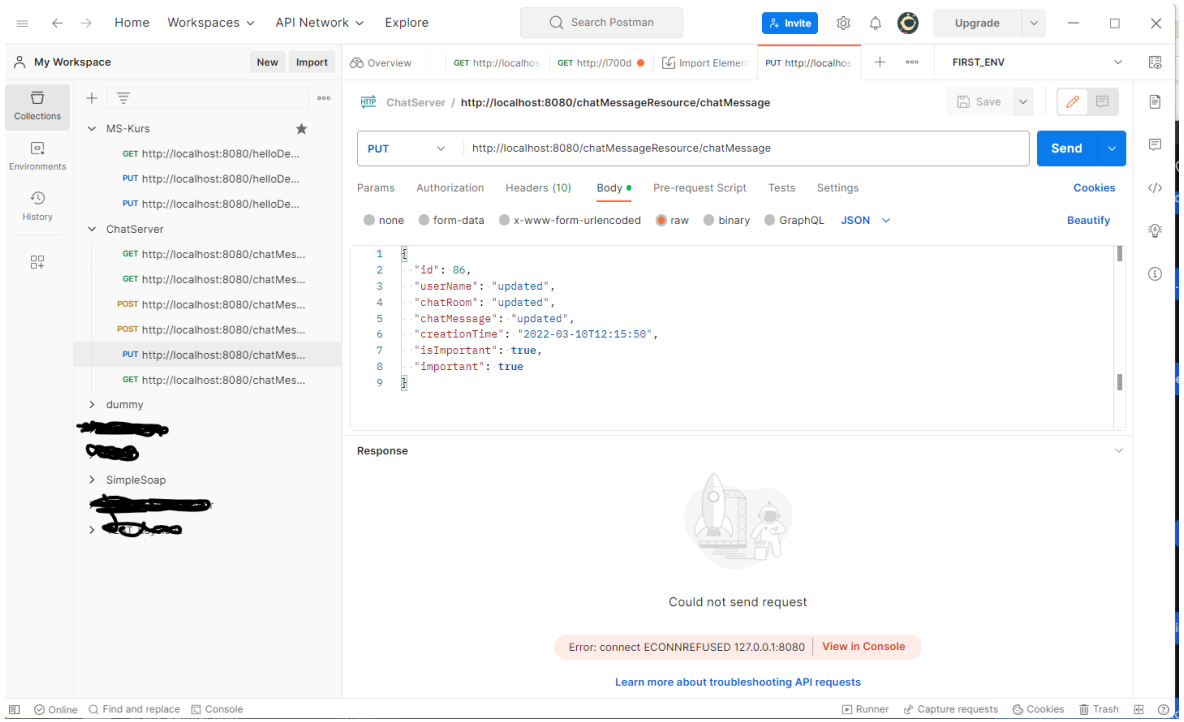
v.1.0.3

Inhalt

- Postman Überblick
- Postman Features
- Postman Testing Requst und Tests
- Postman OpenAPI Editierung und Validierung

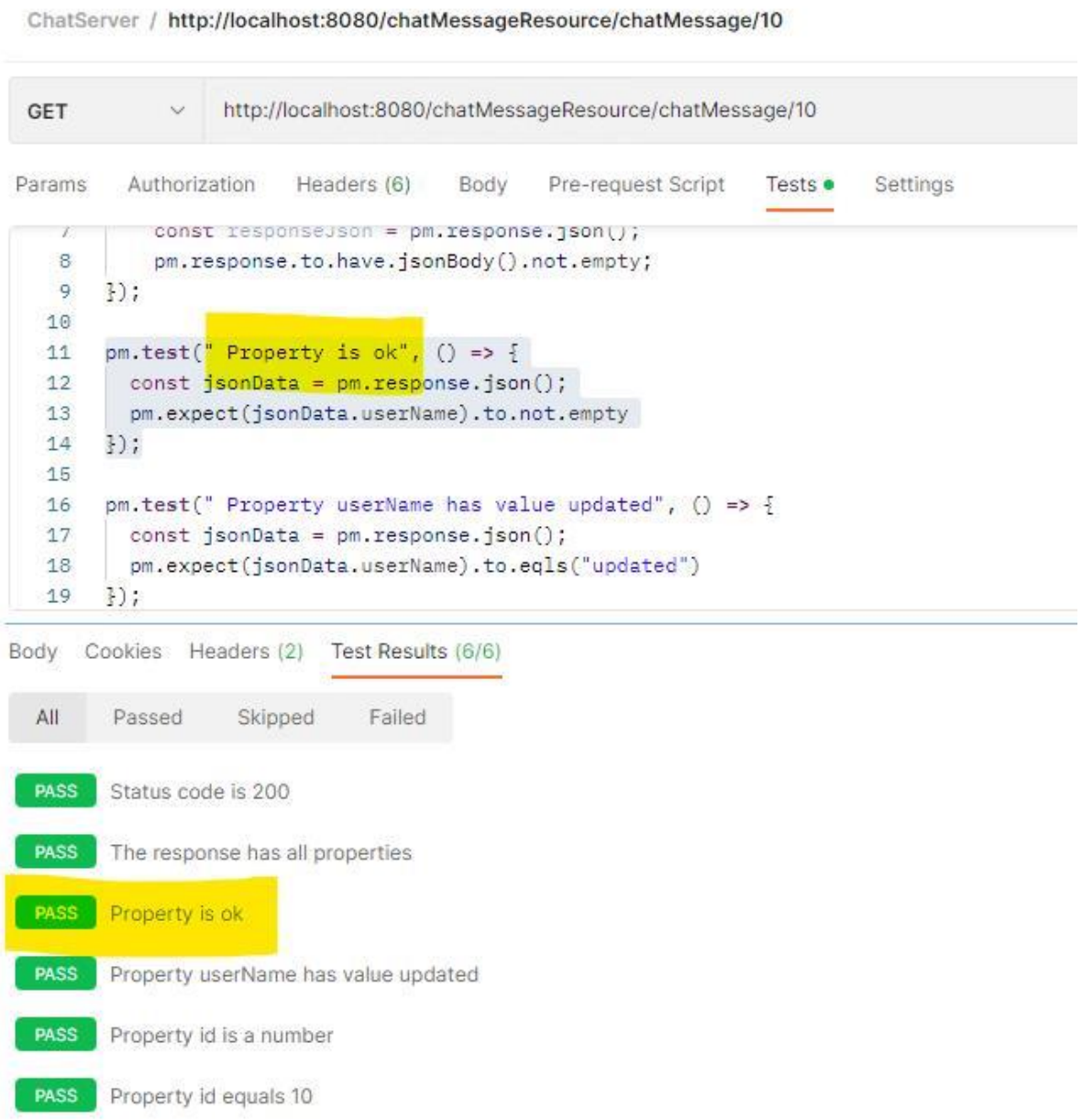
Postman – UI - Überblick

- Eingabe von URL, HTTP Methode
- Parameter & Header
- In den einzelnen TABS unter dem URL möglich
- Hier PUT Request zu http://localhost:8080/chatMessageResource/chatMessage
- In der Content Section das JSON das mitgesendet wird

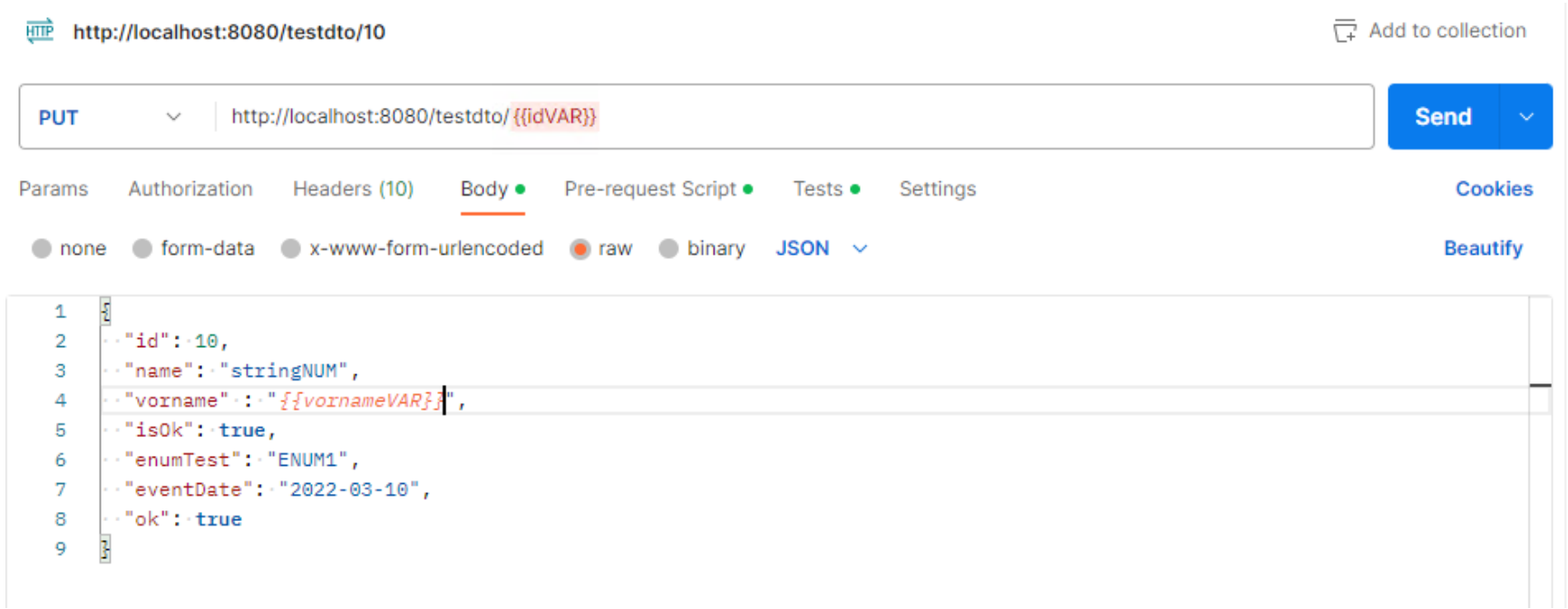


Postman Tests

- Mittels Postman Tests können Request Ergebnisse geprüft werden
- Sowohl http status
- Als auch der JSON Response kann relativ leicht überprüft werden



Postman – Variablen in JSON



Postman Variables

- Variablen aus File oder PRE Collection

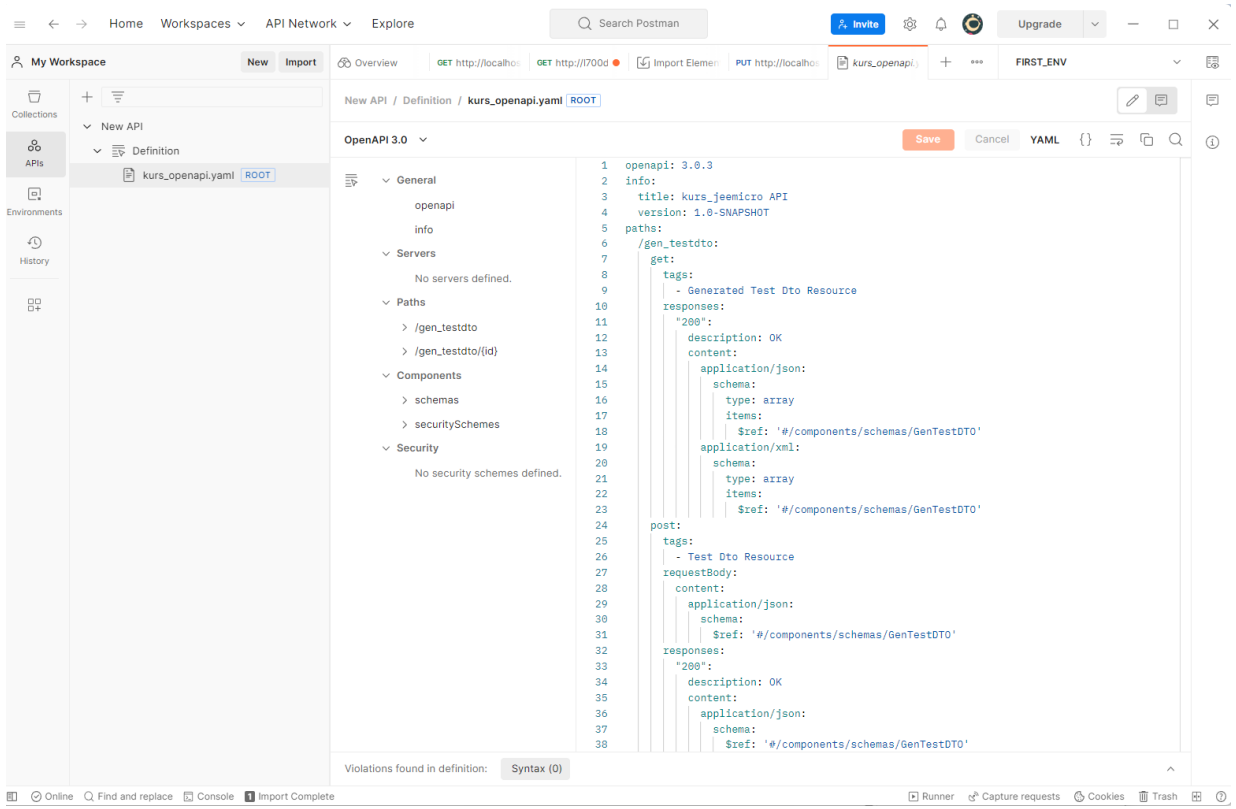
Postman Tests

```
pm.test("Status code is 200", () => {
  pm.expect(pm.response.code).to.eql(200);
});


pm.test("The response has all properties", () => {
    //parse the response JSON and test three properties
    const responseJson = pm.response.json();
    pm.response.to.have.jsonBody().not.empty;
});

pm.test(" Property id equals 10 ", () => {
  const jsonData = pm.response.json();
  pm.expect(jsonData.id).not.null;
  pm.expect(jsonData.id).to.eql(10);
});

pm.test(" Property name is ok", () => {
  const jsonData = pm.response.json();
  pm.expect(jsonData.id).not.null;
  pm.expect(jsonData.name).to.eql("stringNUM");
});

pm.test(" Property name is ok", () => {
  const jsonData = pm.response.json();
  pm.expect(jsonData.name).to.eql("stringNUM");
});
```

CGS ITSolutions

Postman – OpenAPI - Editierung

- Postman allows to import
- Edit and validate
- As well as Export openapi Specifications



Danke für Ihre Aufmerksamkeit

CGS ITSolutions